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ABSTRACT

An illustrated book describing sickle cell anemia, its symptoms, effects, and causes is presented. (CK)

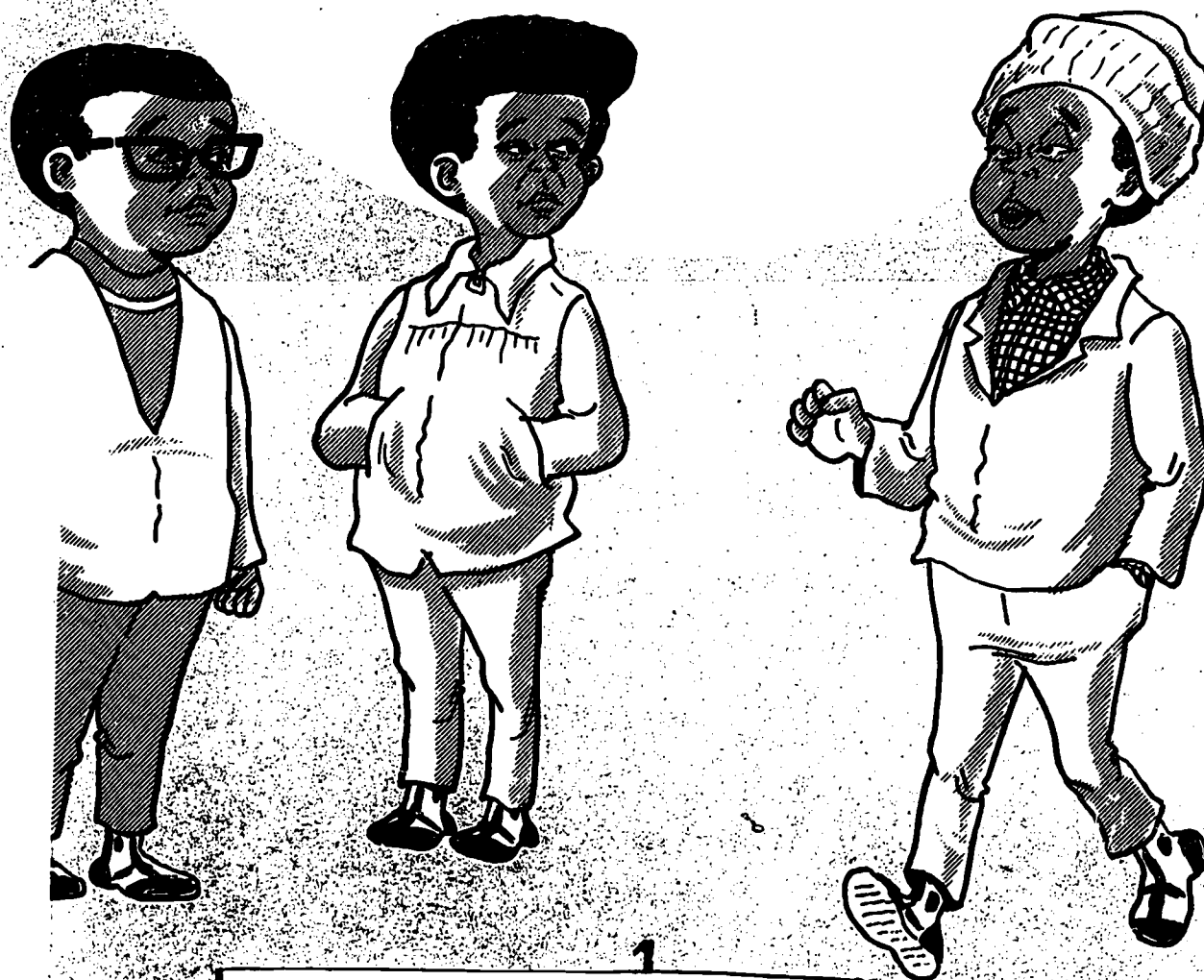
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WHERE'S HERBIE?

A SICKLE CELL ANEMIA STORY
AND

COLORING BOOK



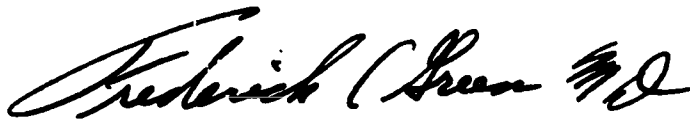
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ACKNOWLEDGMENT

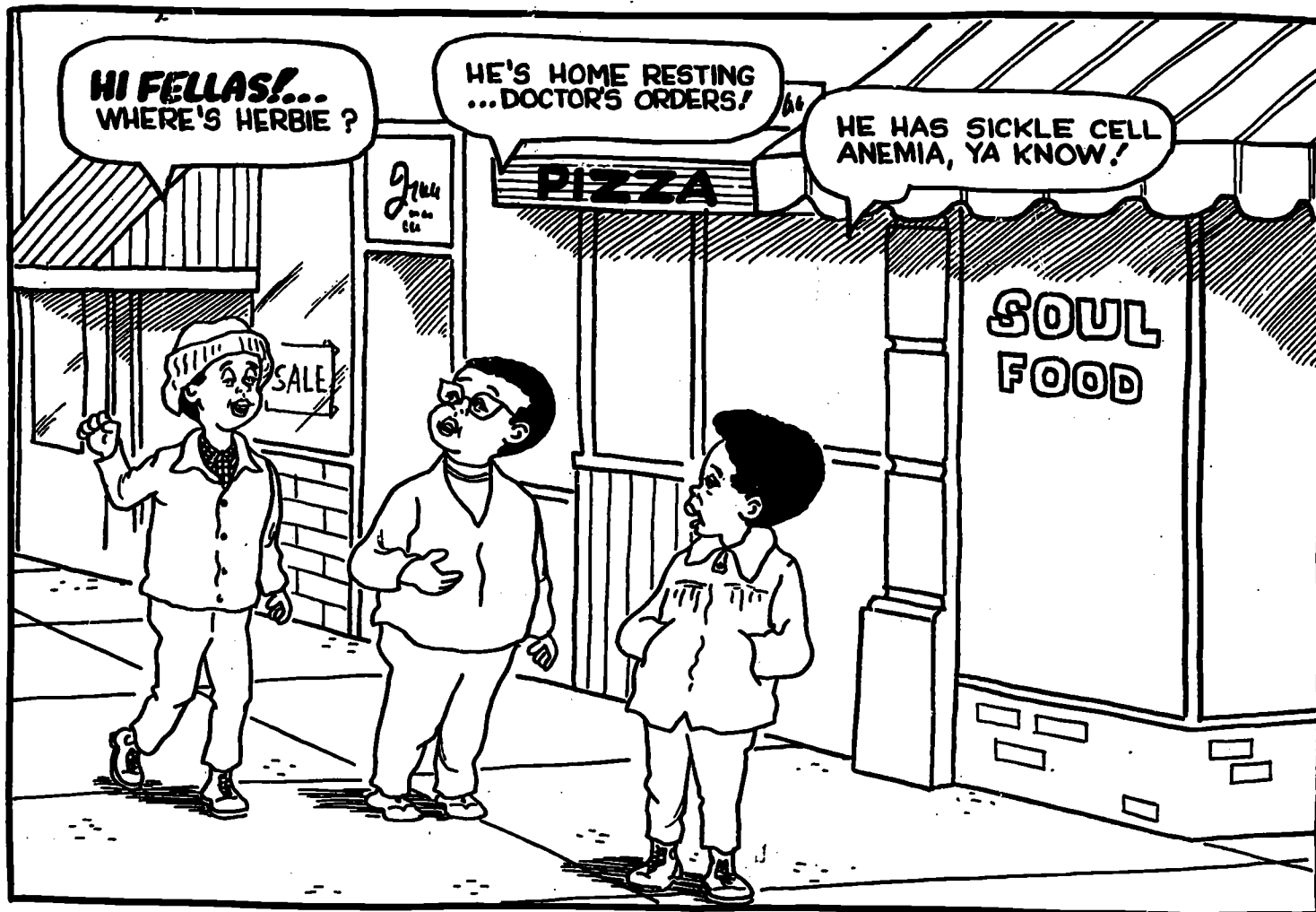
Morrie Turner's cartooned message on sickle cell anemia grew out of his elected mission to use his talents to help build a more humane world for children. At 47, "Morrie" (his trademark, affectionately used by all ages) works 12-18 hours a day, with his TV keeping him constantly "aware of what's going on in the world and people's attitudes about it." With his researcher-wife, Letha, he produces "Wee Pals", the first Black comic strip to make the newspapers, and now multi-racial and distributed to 75 publications. During the rest of his waking hours, he gives 3 to 6 chalk talks per week to school children, teaches cartooning at two institutions, publishes books, develops film strips and commercials, and prepares a full-hour TV program for the ABC network. His wide-ranging activities are directed primarily to entertaining, informing, and morale building of Black children. His audiences, however, include all races and span all ages.

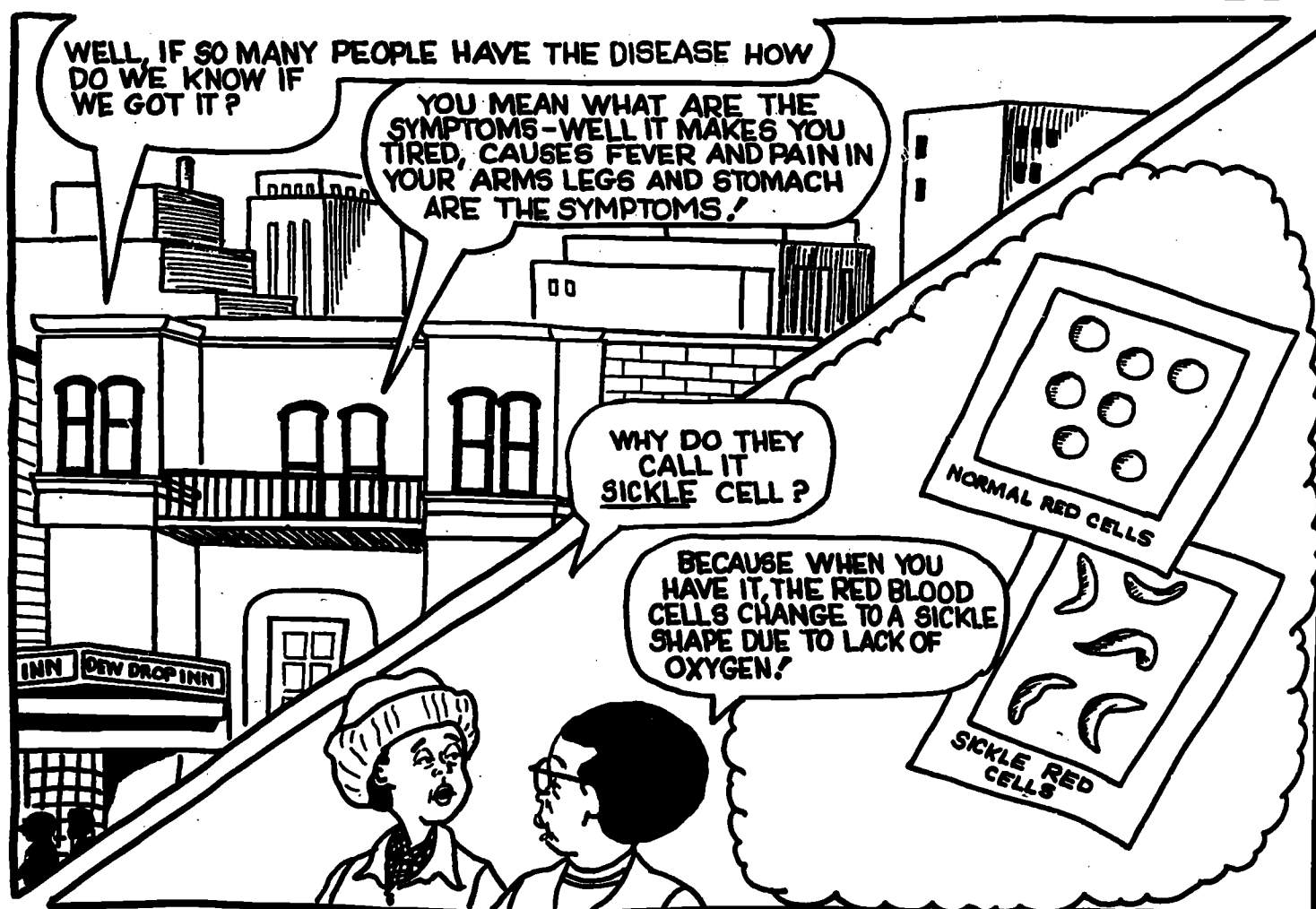
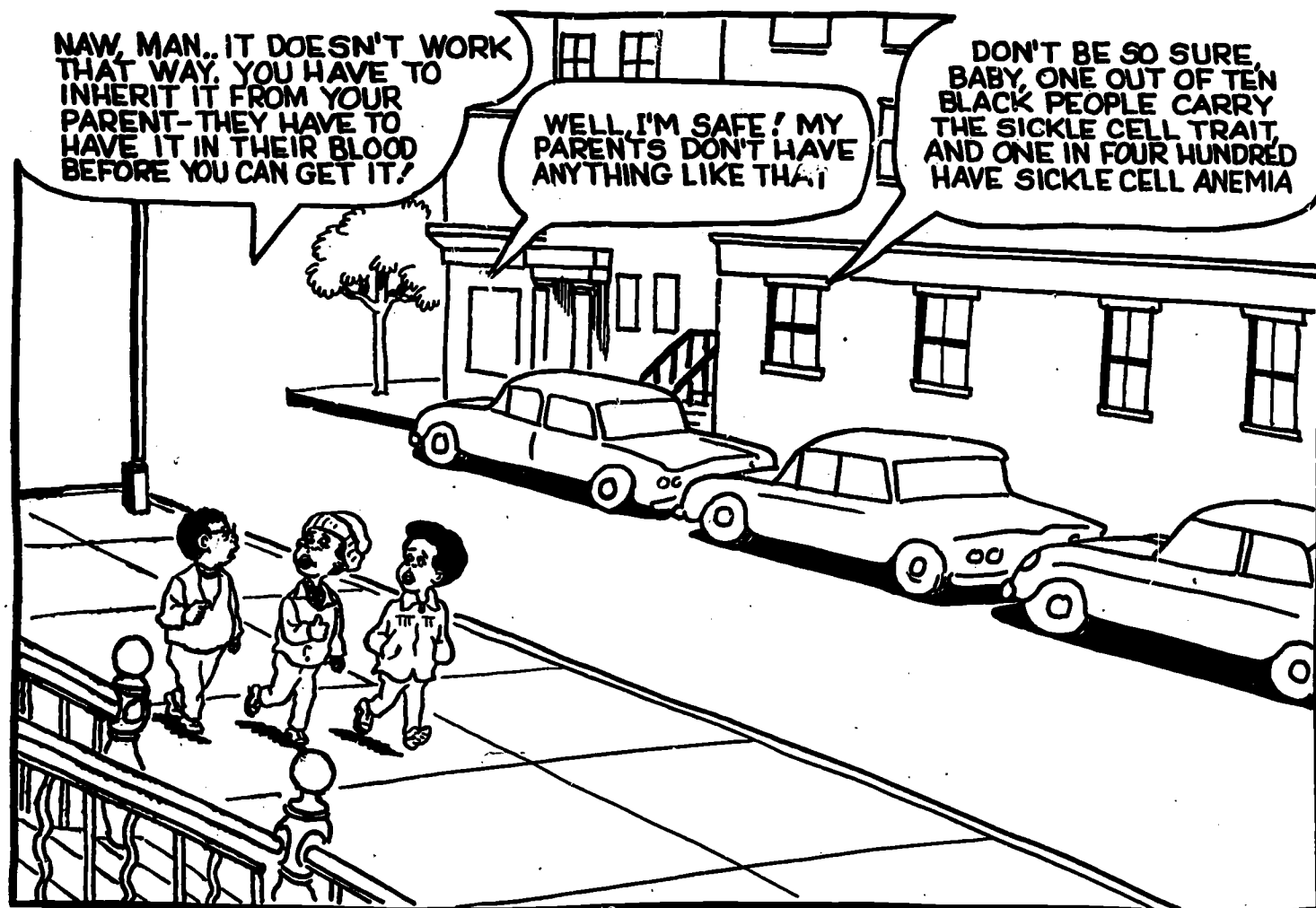
Morrie's goal for "better schools and better Oakland" (Calif.) has led him to probe innumerable subjects involving racial problems and needs of poor children, such as nutrition, reading, and now sickle cell anemia, a race-linked disease. For his humanistic achievements he received the National Conference of Christians and Jews Brotherhood Award in 1966, and was honored by both the DeMolay Association and the Anti-Defamation League of B'nai B'rith. In 1970, he was tapped for the distinction of serving as vice-chairman of the Forum on Child Development and the Mass Media that prepared for the 1970 White House Conference on Children.

Where's Herbie?, generously contributed to the Office of Child Development by Morrie Turner, is an outgrowth of the Conference and the latest evidence of his imagination.



FREDERICK C. GREEN, M.D.
Associate Chief
Children's Bureau





MAN! I HOPE THEY
CURE HERBIE, QUICK!

THERE IS NO
CURE FOR SICKLE
CELL ANEMIA!

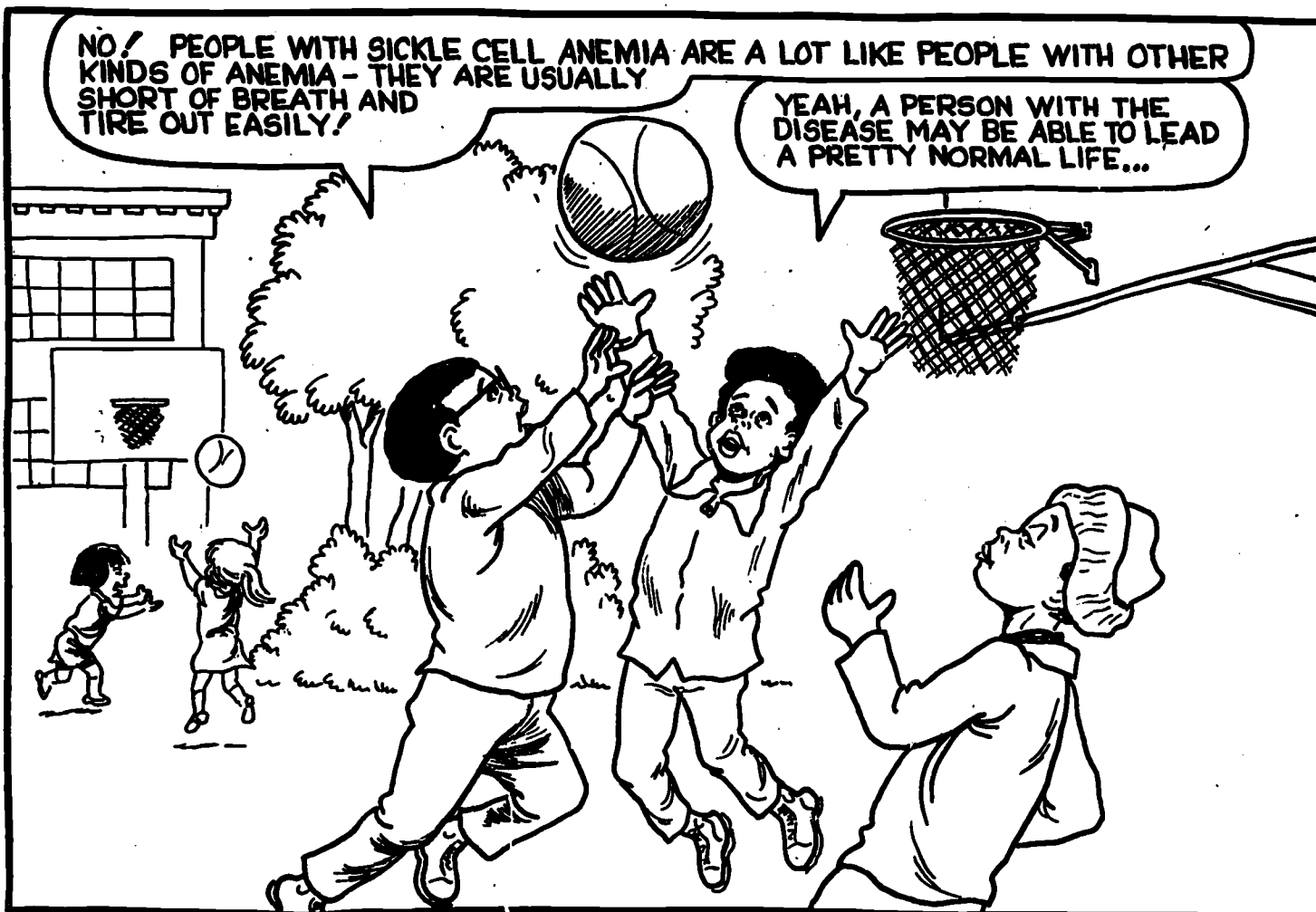


GOSH! WHAT'S HE
GONNA DO?...STAY IN BED
THE REST OF HIS LIFE?



NO! PEOPLE WITH SICKLE CELL ANEMIA ARE A LOT LIKE PEOPLE WITH OTHER
KINDS OF ANEMIA - THEY ARE USUALLY
SHORT OF BREATH AND
TIRE OUT EASILY!

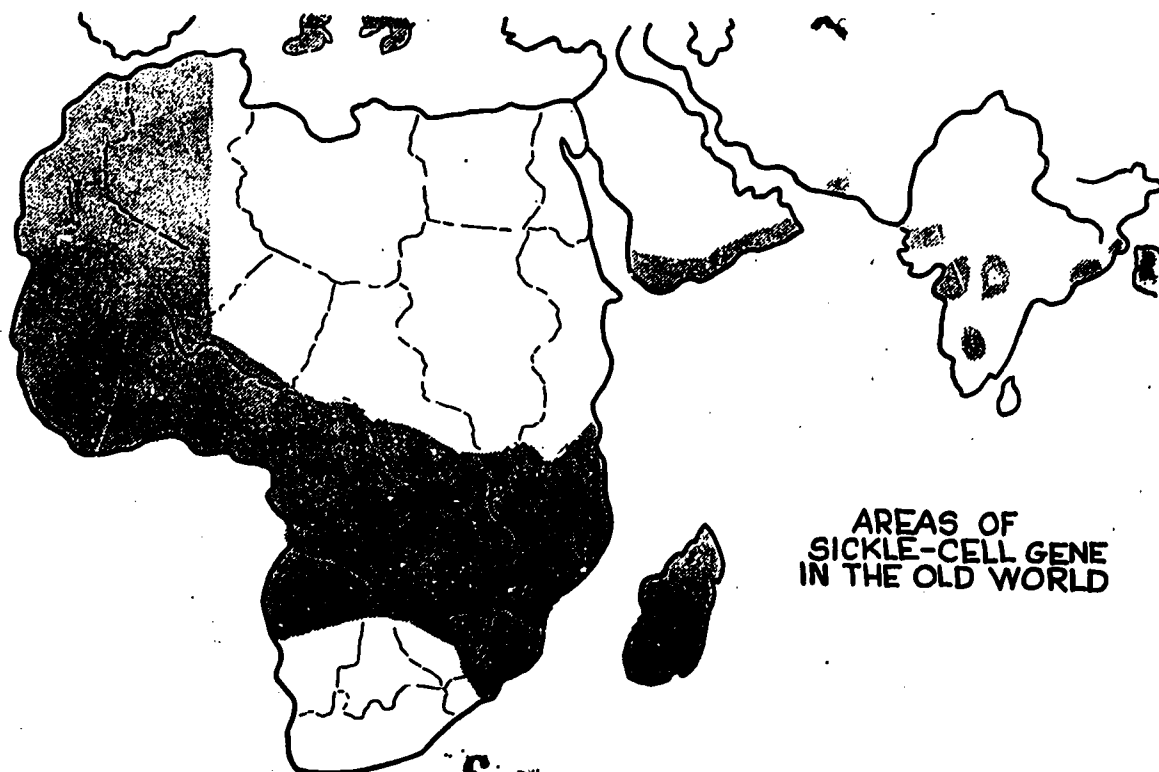
YEAH, A PERSON WITH THE
DISEASE MAY BE ABLE TO LEAD
A PRETTY NORMAL LIFE...



SICKLE CELL CAME FROM AFRICA
AND WAS BROUGHT TO THIS
COUNTRY WITH THE SLAVE TRADE



"BLACKS LIVING IN THE MALARIA BELTS OF AFRICA HAVE FOR CENTURIES BEEN EXPOSED TO MALARIA. MALARIA IS AN INFECTION CAUSED BY A PARASITE THAT DESTROYS THE RED BLOOD CELLS. THERE IS EVIDENCE TO INDICATE THAT AFRICAN INDIVIDUALS CARRYING SICKLED CELLS ARE MORE RESISTANT TO MALARIA— WHEN BLACKS WERE IMPORTED BY THE AMERICAN SLAVE SYSTEM TO AMERICA WHERE MALARIA IS VIRTUALLY NON-EXISTENT THE ADVANTAGE OF HAVING SICKLE CELL TRAIT WAS ELIMINATED AND AN ASSET BECAME A LIABILITY"



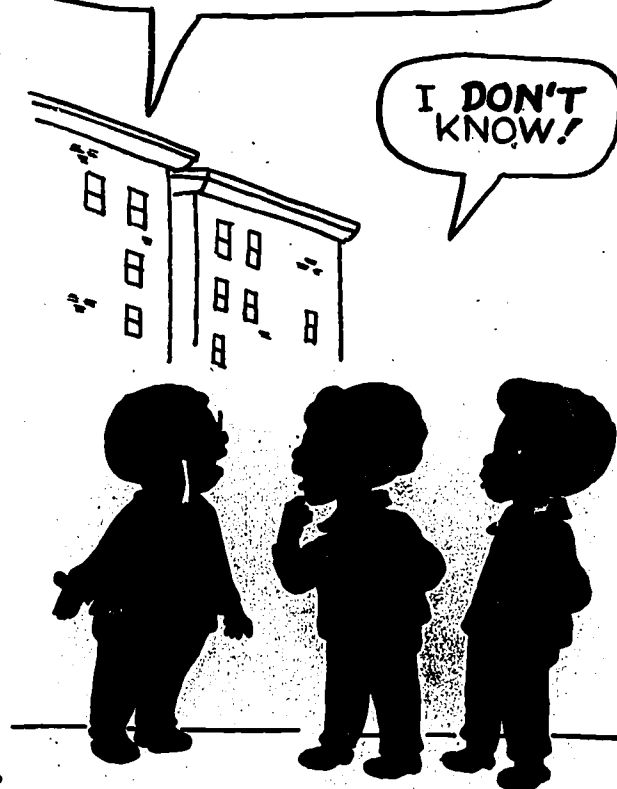
AREAS OF
SICKLE-CELL GENE
IN THE OLD WORLD

WELL, I'M GLAD I
DON'T HAVE SICKLE
CELL ANEMIA!



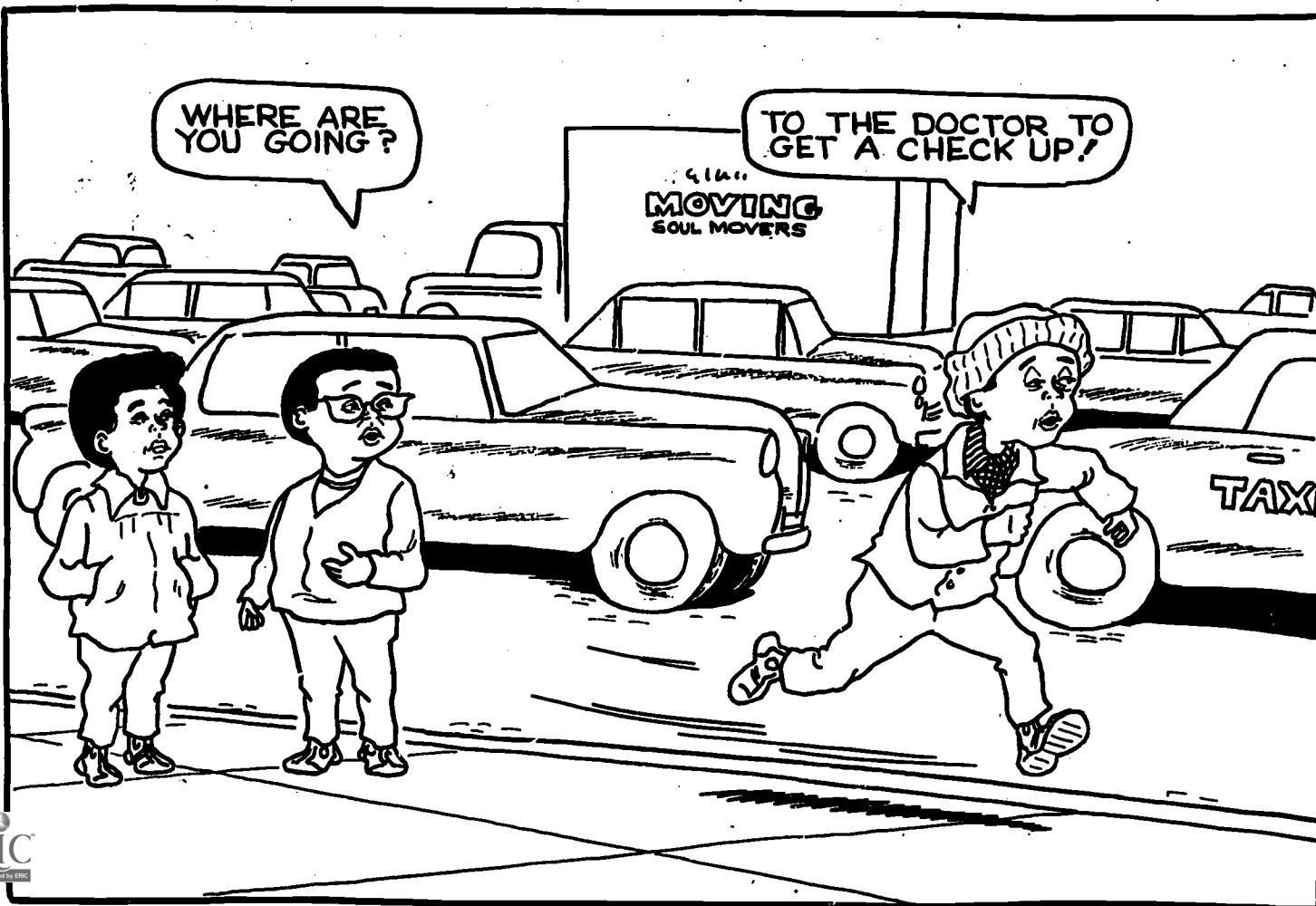
HOW DO YOU KNOW THAT
YOU DON'T HAVE IT IN YOUR
BLOOD STREAMS?

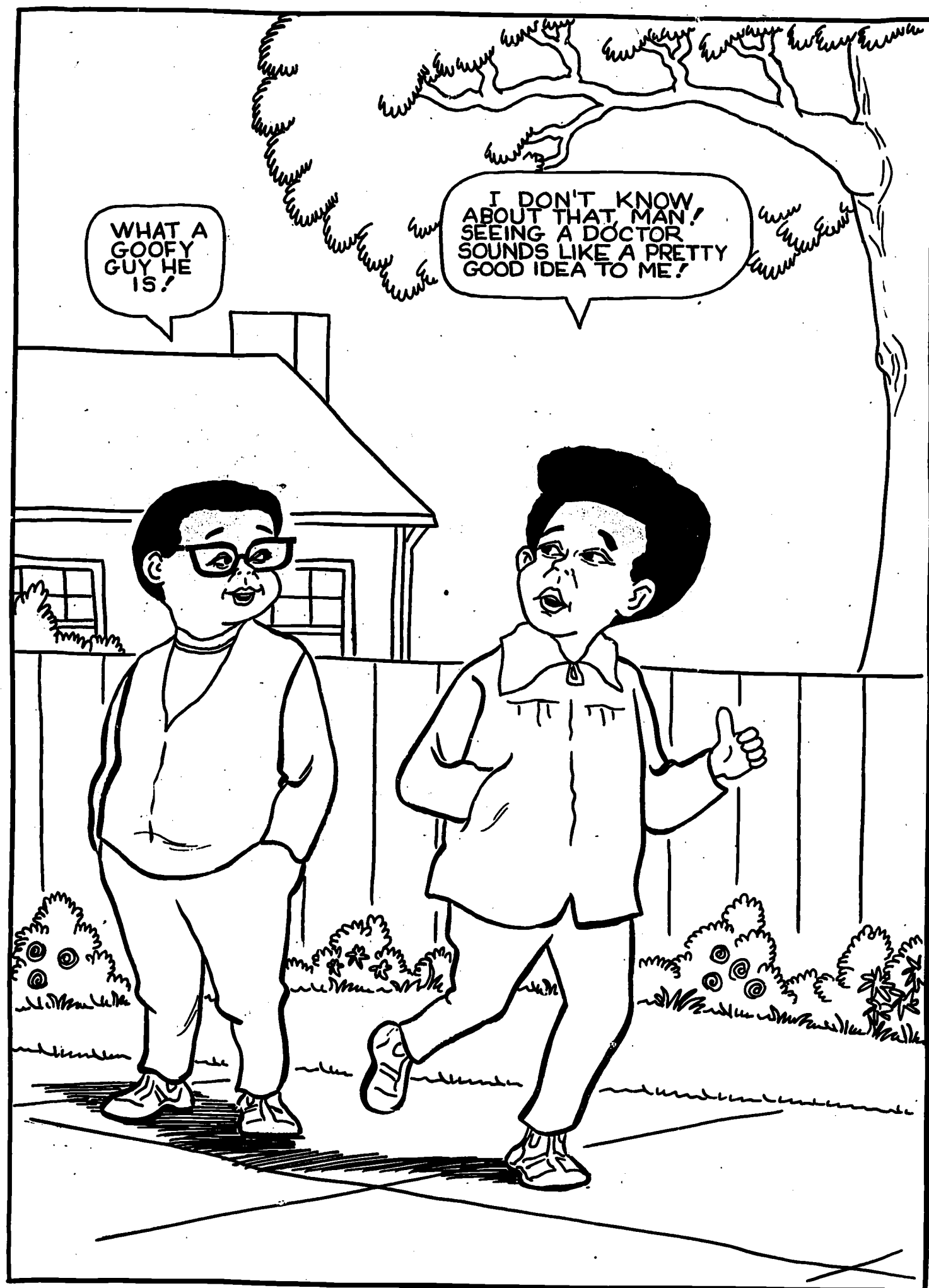
I DON'T
KNOW!



WHERE ARE
YOU GOING?

TO THE DOCTOR TO
GET A CHECK UP!

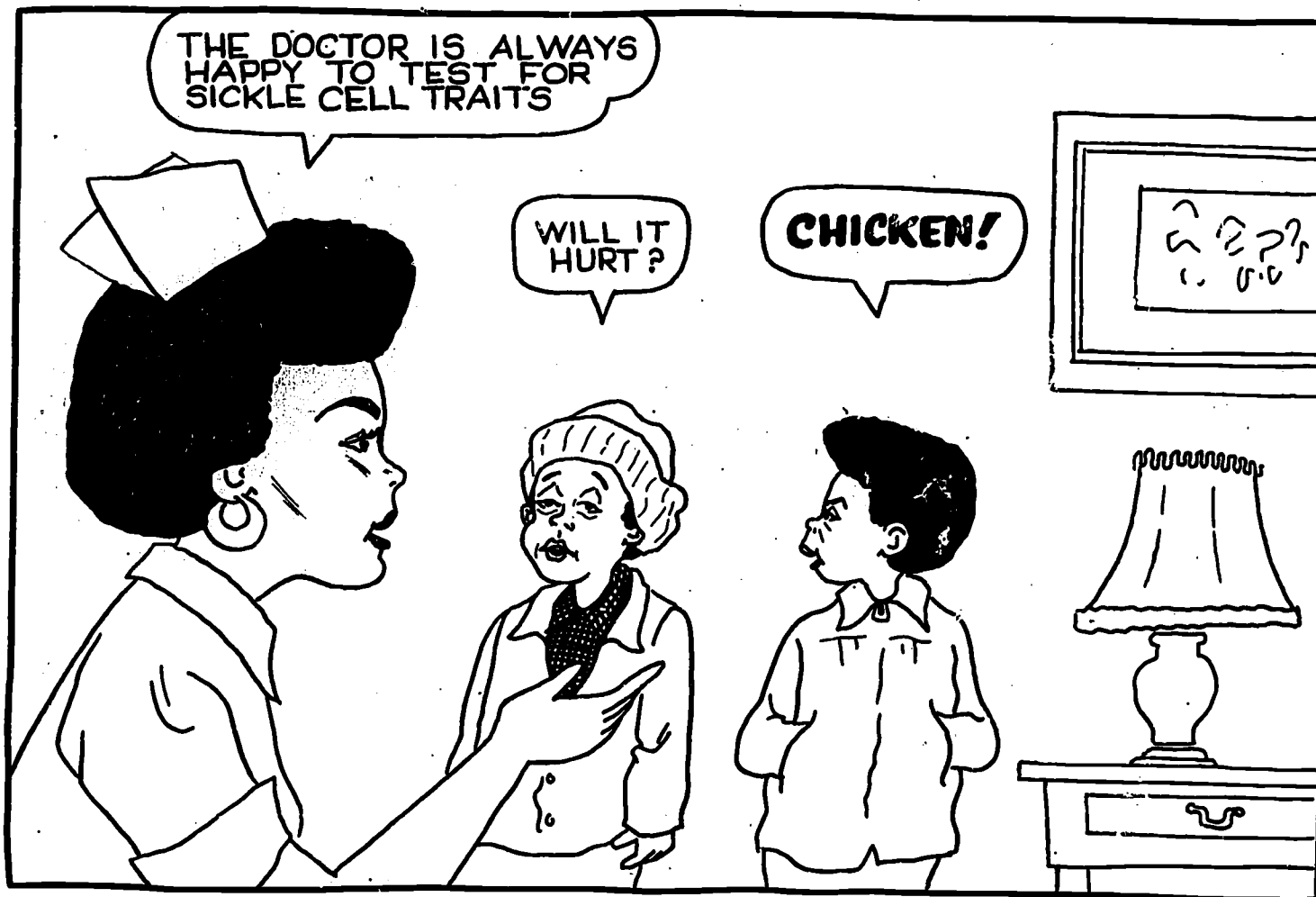




WHAT A
GOOFY
GUY HE
IS!

I DON'T KNOW
ABOUT THAT MAN!
SEEING A DOCTOR
SOUNDS LIKE A PRETTY
GOOD IDEA TO ME!

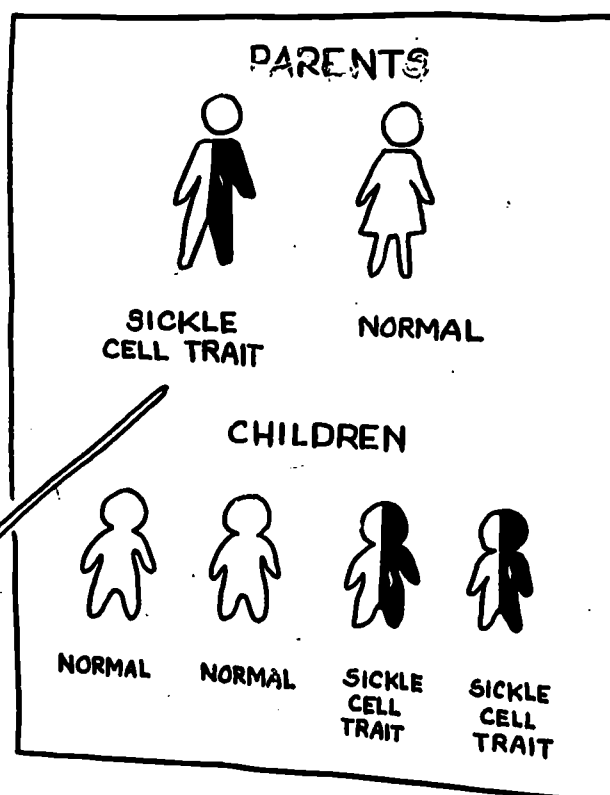




IF BOTH YOUR PARENTS
HAVE NORMAL HEMOGLOBIN
IN THEIR BLOOD YOU WILL
HAVE NORMAL HEMOGLOBIN
AND THEREFORE WILL NOT
SUFFER FROM SICKLE
CELL ANEMIA

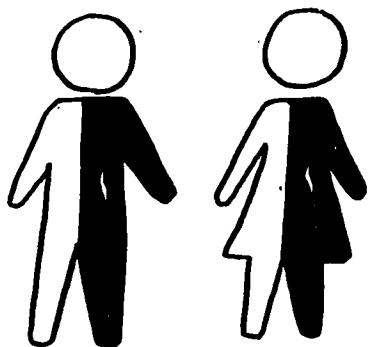


IF ONE PARENT HAS SICKLE
CELL TRAIT, HIS CHILDREN
COULD INHERIT IT



"IF BOTH PARENTS HAVE SOME OF THE SICKLE CELL HEMOGLOBIN IN THEIR BLOOD THEIR CHILDREN HAVE MORE OF A CHANCE OF INHERITING SICKLE CELL HEMOGLOBIN AND SOME MAY EVEN INHERIT ENOUGH OF IT TO CAUSE SICKLE CELL ANEMIA

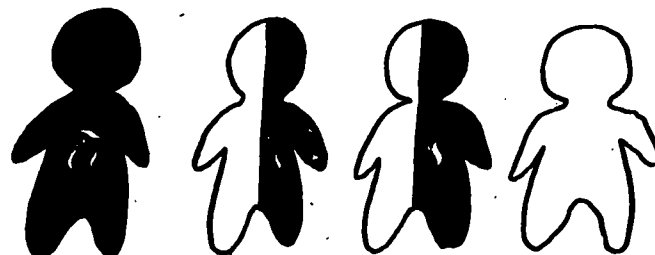
PARENTS



SICKLE
CELL
TRAIT

SICKLE
CELL
TRAIT

CHILDREN

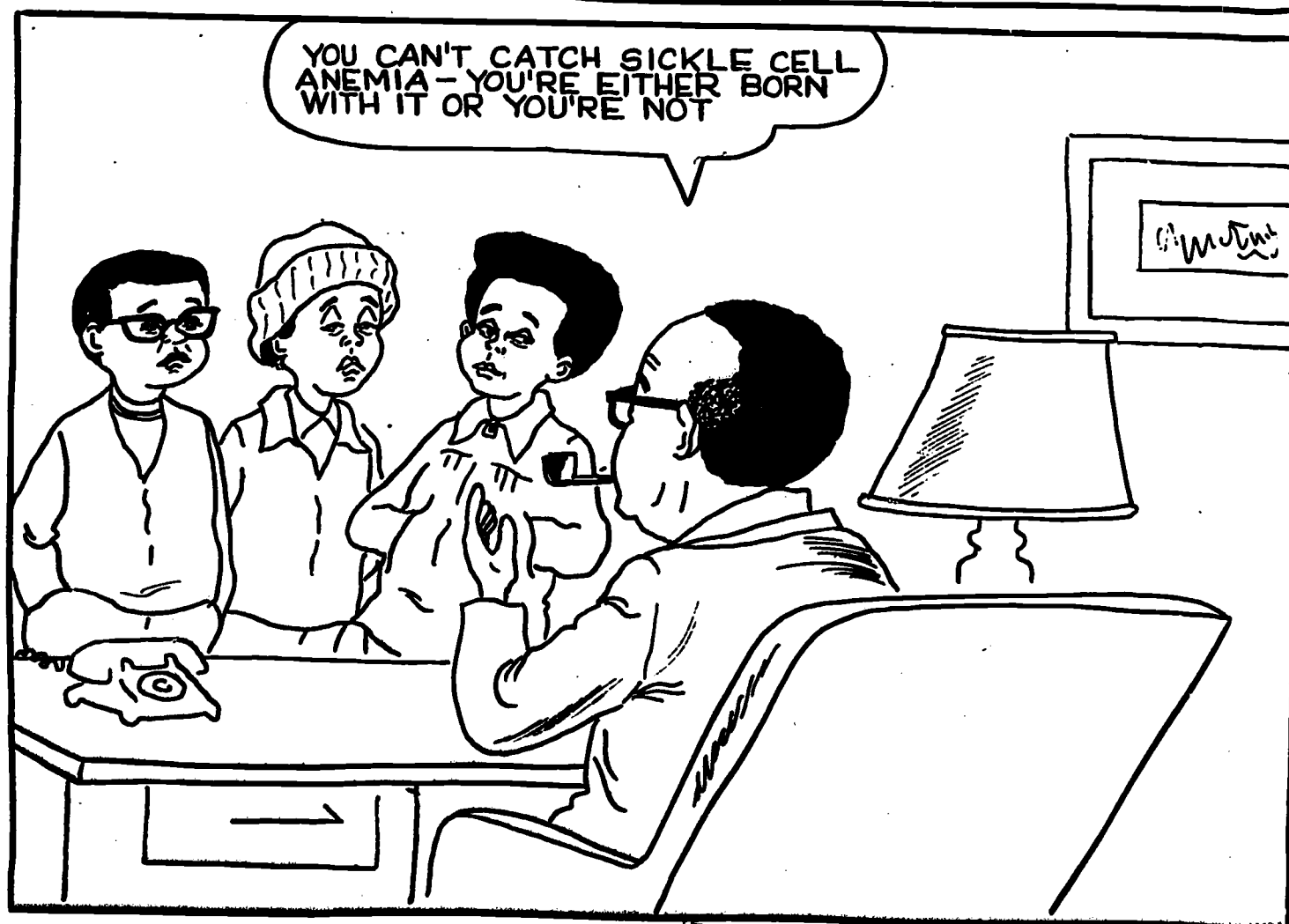


SICKLE
CELL
ANEMIA

SICKLE
CELL
TRAIT

SICKLE
CELL
TRAIT

NORMAL

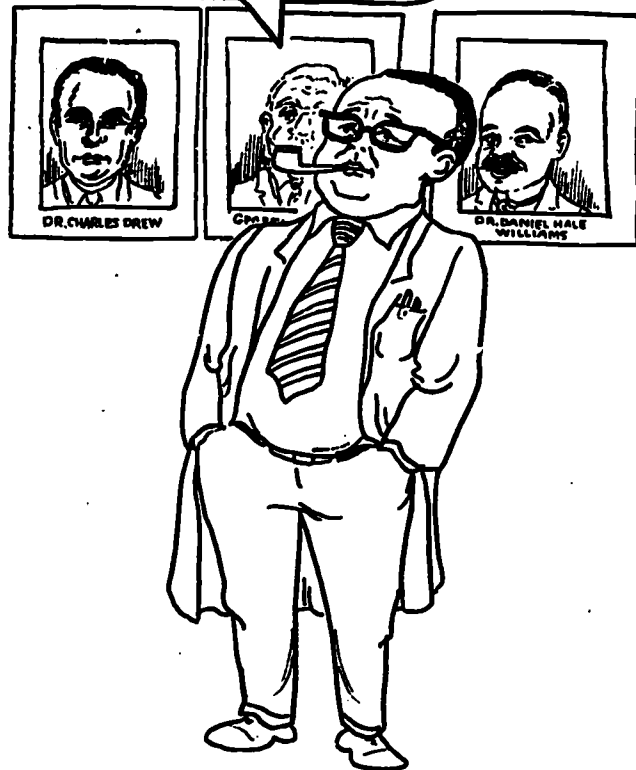


YOU CAN'T CATCH SICKLE CELL
ANEMIA - YOU'RE EITHER BORN
WITH IT OR YOU'RE NOT

I GUESS OUR BUDDY
HERBIE WAS BORN WITH
SICKLE CELL ANEMIA

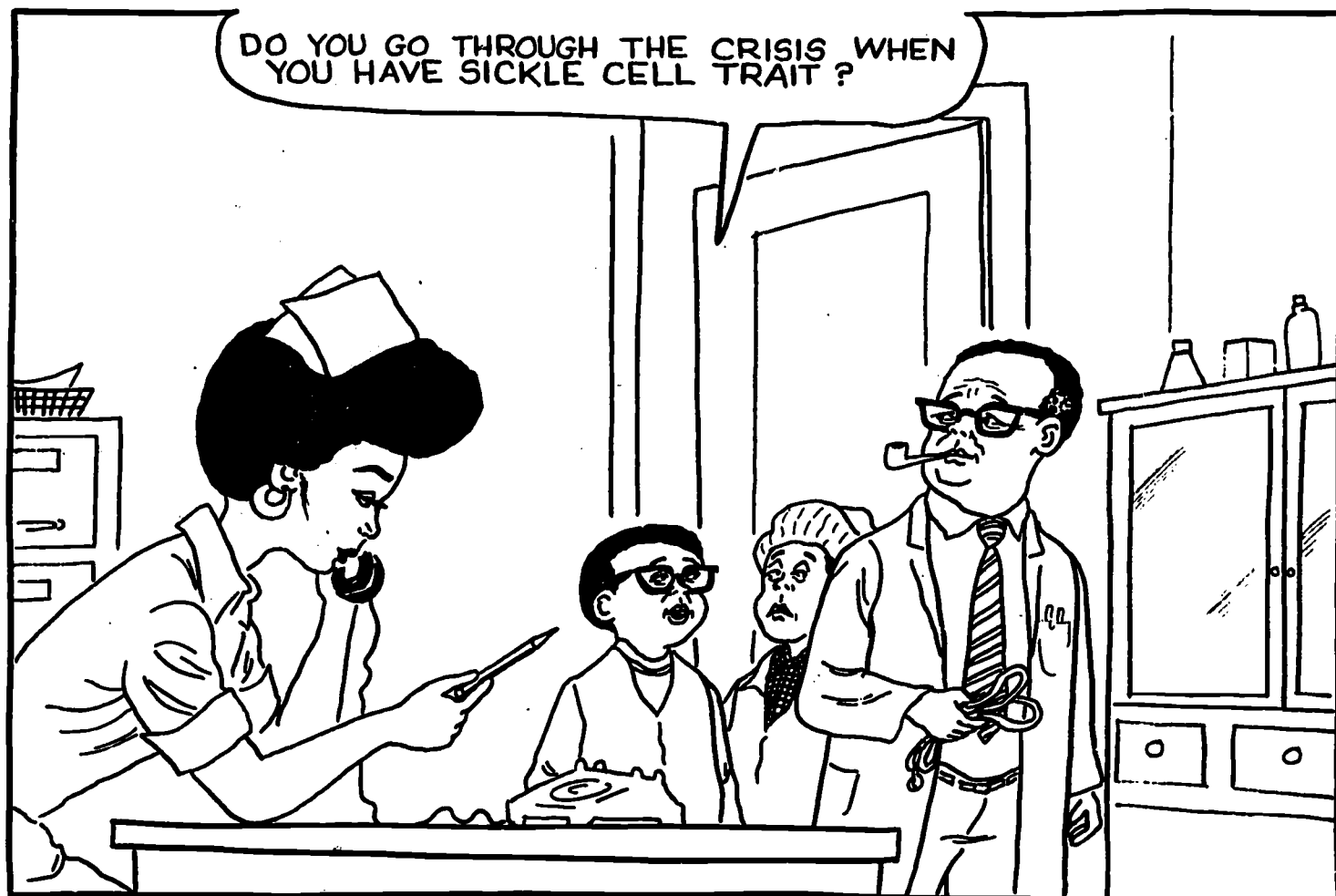
WILL HE BE
IN BED THE REST
OF HIS LIFE,
DOC ?

HE'S HAVING WHAT WE CALL
A SICKLE CELL CRISIS WHICH
CAN LAST FROM A FEW HOURS
TO A WEEK AND IT CAN BE
VERY PAINFUL

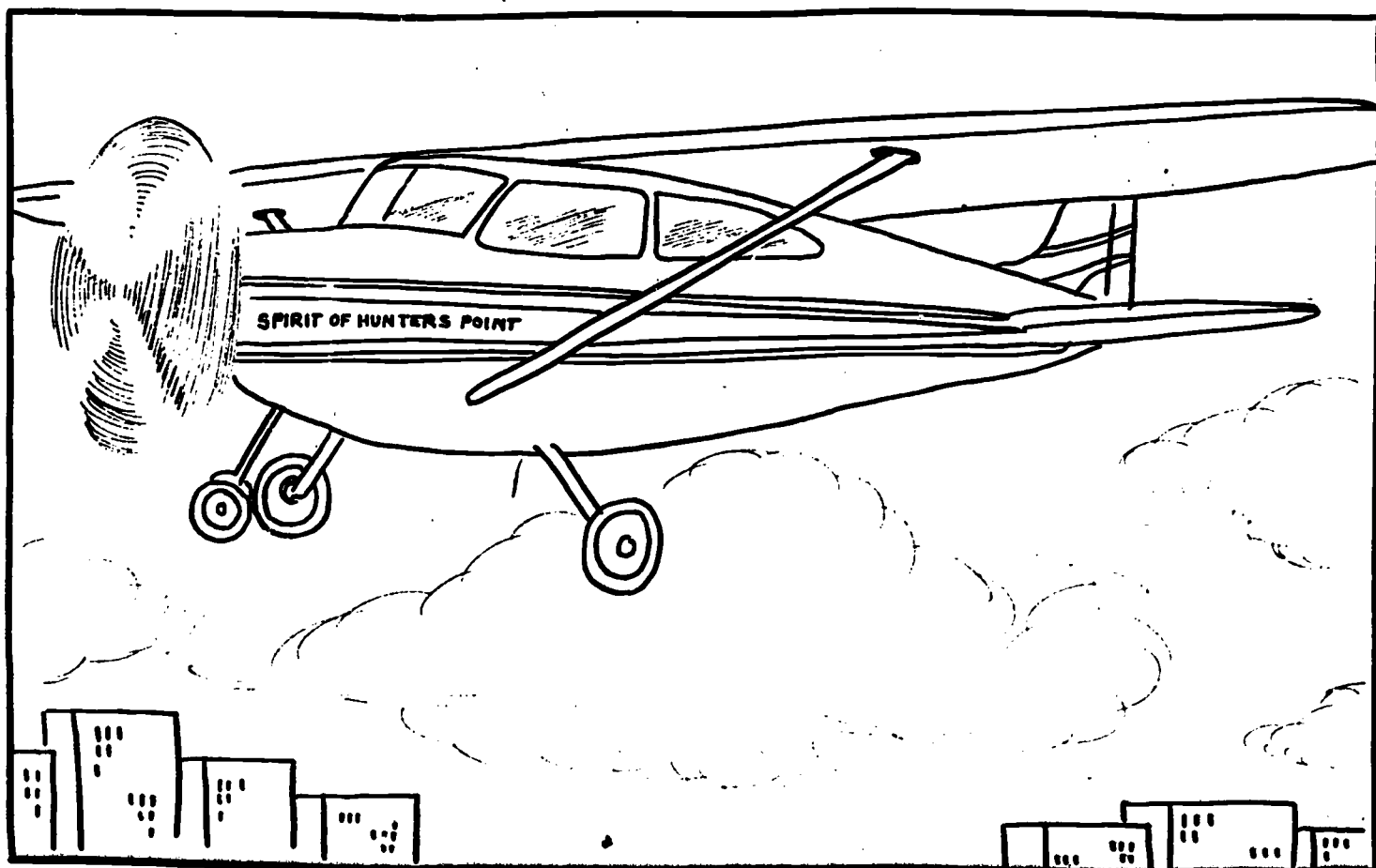


IT MAKES THEM SHORT OF BREATH AND TIRE OUT EASILY- THEY
MAY HAVE SEVERE PAIN IN ANY PART OF THE BODY, RUN A FEVER WITH
CHILLS, SHOW BLOOD IN THEIR URINE AND A YELLOW COLOR
IN THEIR EYES

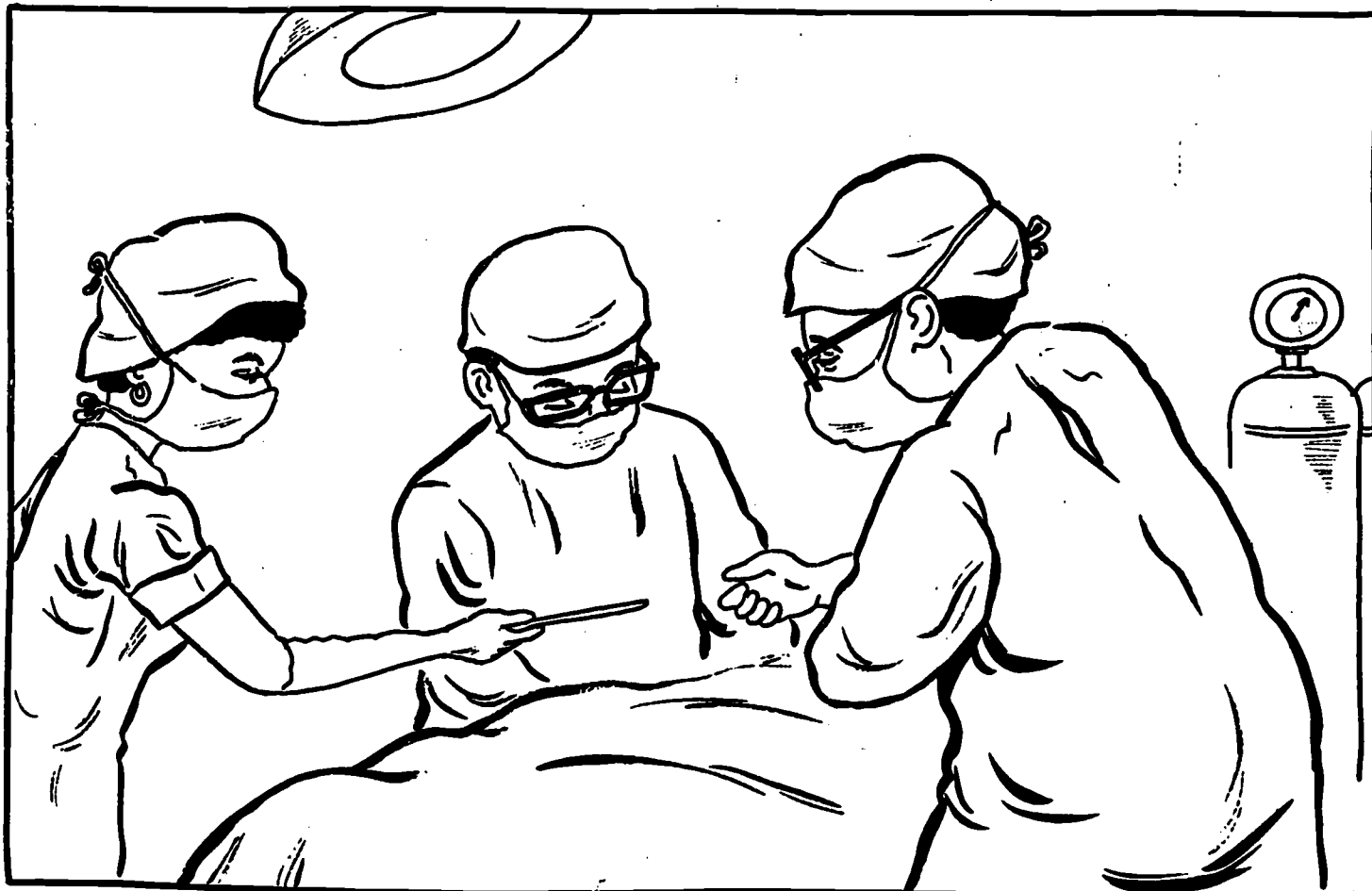




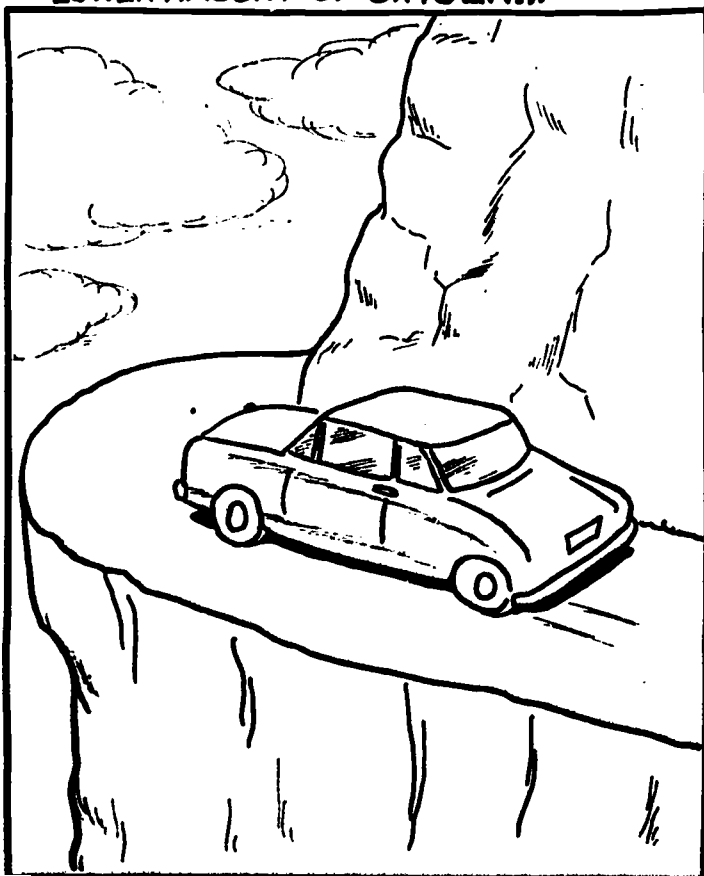
"NO, PEOPLE WITH SICKLE CELL TRAIT CAN USUALLY LEAD NORMAL LIVES, BUT THEY HAVE TROUBLE DURING FLIGHTS AT HIGH ALTITUDES IN AN UNPRESSURIZED AIRPLANE"



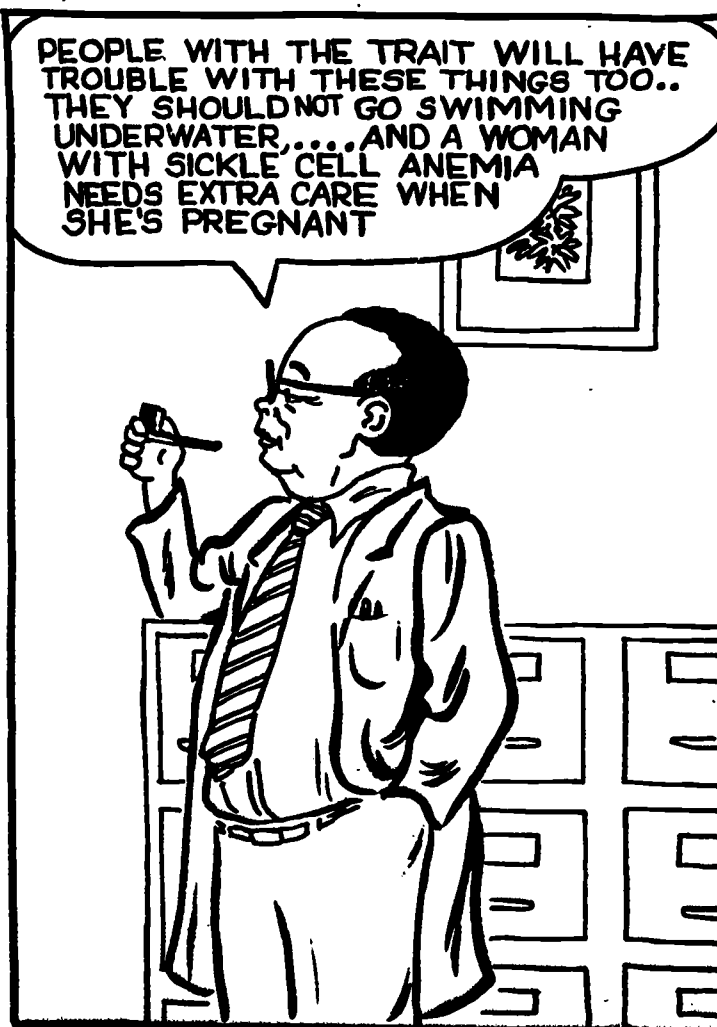
OR DURING ANESTHESIA FOR SURGERY....

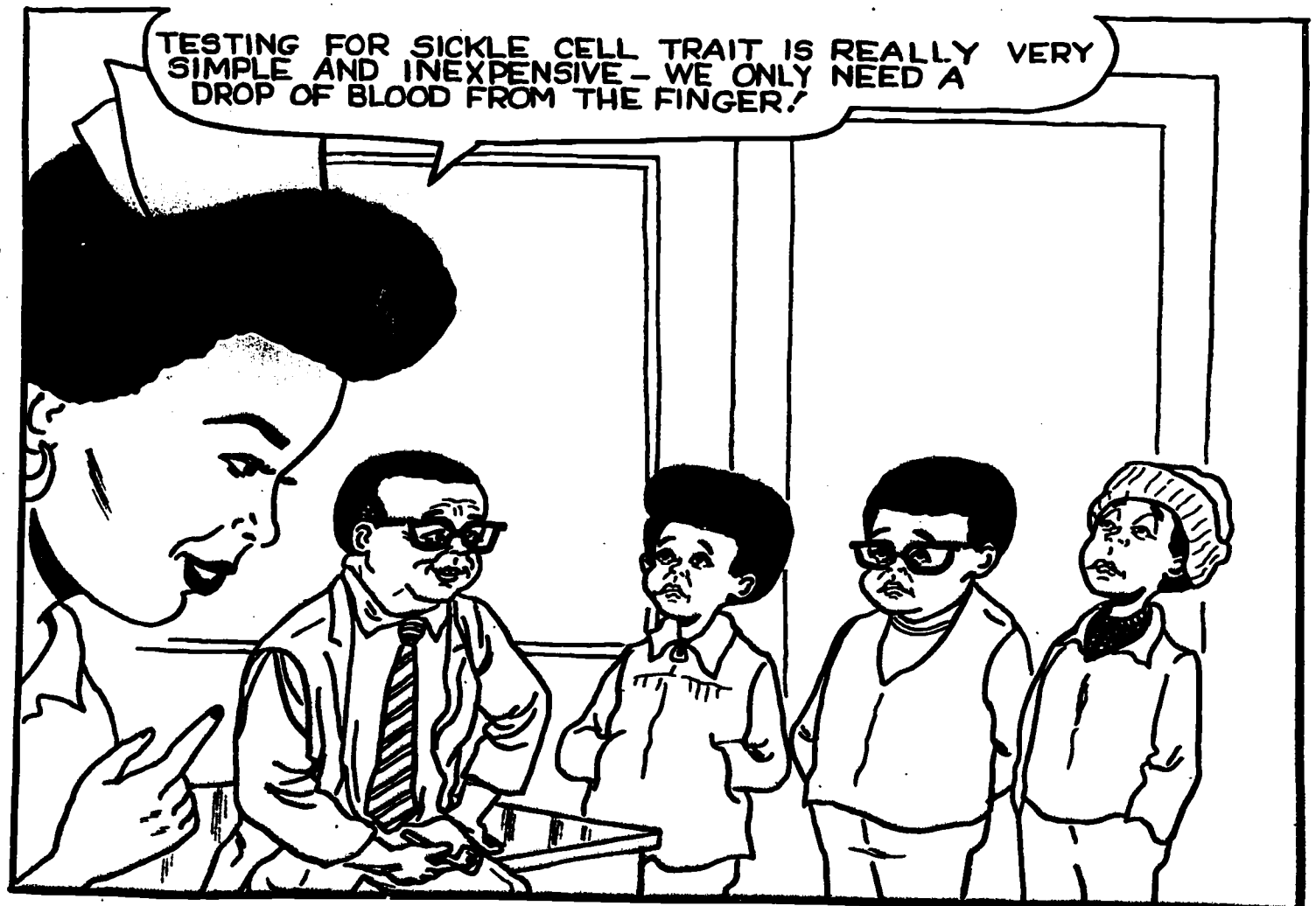


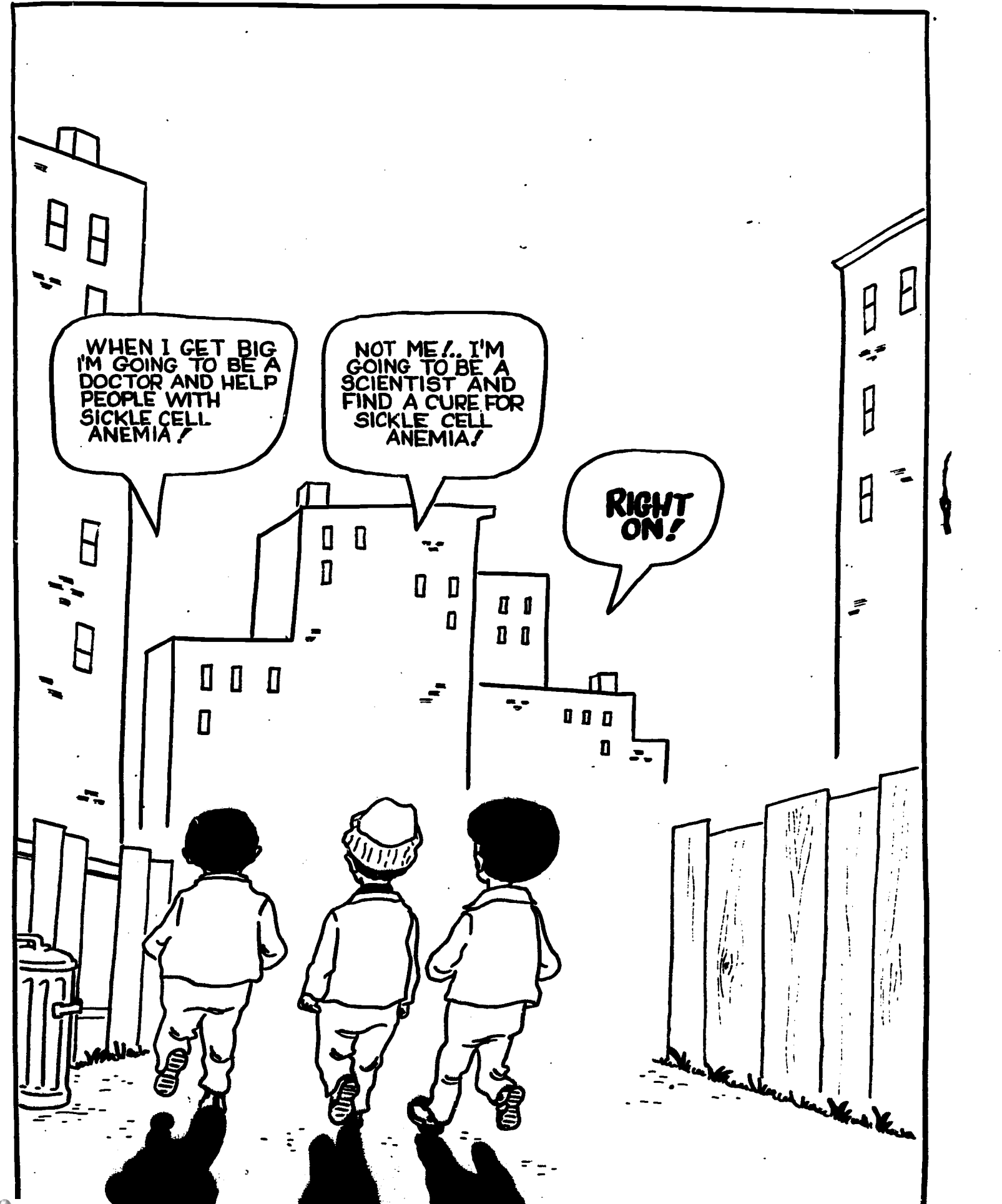
OR ON AUTOMOBILE TRIPS ACROSS
HIGH MOUNTAINS, OR IN ANY
SITUATION WHERE THERE IS A
LOWER AMOUNT OF OXYGEN...



PEOPLE WITH THE TRAIT WILL HAVE
TROUBLE WITH THESE THINGS TOO..
THEY SHOULDN'T GO SWIMMING
UNDERWATER....AND A WOMAN
WITH SICKLE CELL ANEMIA
NEEDS EXTRA CARE WHEN
SHE'S PREGNANT







WHEN I GET BIG
I'M GOING TO BE A
DOCTOR AND HELP
PEOPLE WITH
SICKLE CELL
ANEMIA!

NOT ME!.. I'M
GOING TO BE A
SCIENTIST AND
FIND A CURE FOR
SICKLE CELL
ANEMIA!

RIGHT
ON!

NOW! Write your questions for the Doctor.

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**U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE -- Office of
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**For additional information on Sickle Cell Disease write to:
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Maryland 20014.**